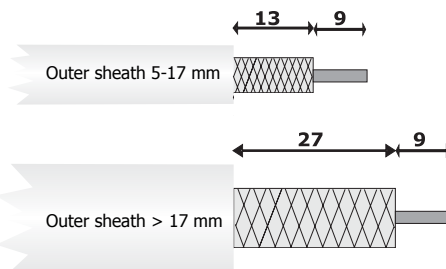
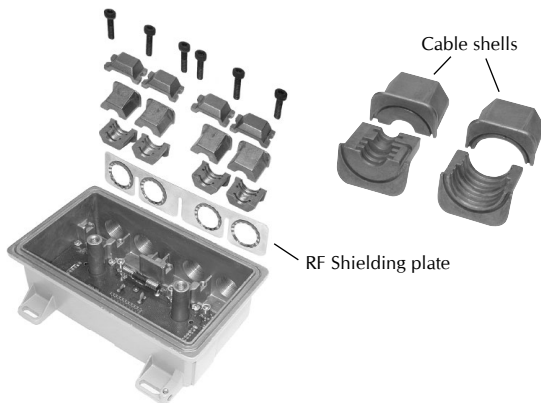
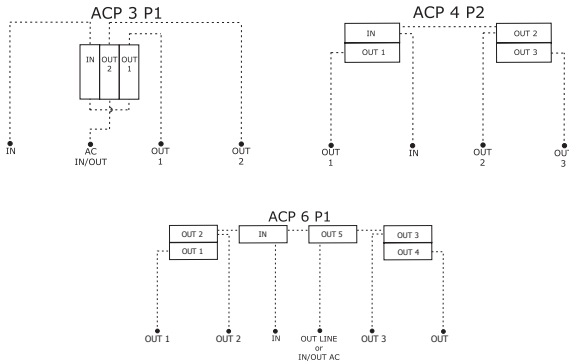


COMEGA® Confree user manual



Types PG11M to FF, IECF, 5/8F and 3,5/12F is available

Power passing

- **ACP-types:** The fuses are used as short circuit and as protection to avoid damage by short circuits. The fuses are so power full that you can avoid interruption during service. Should an even better protection be needed, it is possible to plug-in fuses of less Ampere.
- **ACT-types:** With these types you can transmit 6A on in-to-out; no power passing is available on the tap outputs. Should no power passing on in-to-out be required, you can also cut away the coil.

Power Insertion

The PG11M AC is available for insertion or extracting power from the ConFree products. It is not possible to transmit power on the taps outputs on ACT-versions.

Using ConFree Cable Shell system

Cable shells have an unique number making it very easy to utilize the connector-free system. Each shell number fits a certain cable type like it is the case with traditional connectors. The cable shells provide the same tensile strength as ordinary connectors.

The bridge over the cable shells can be tightened up with max. 1,8N.

To ensure high RF-shielding according to CENELEC Class A, the RF-shielding plate have to me mounted between the bottom of the housing and the cable shells. Using PG11 (or other connectors) the RF-shielding plate is not necessary.

Stripping Cables

Cable sizes from 5-17mm outer sheath can be utilized with the cable shell system. Cable types with outer sheath diameter of above 17mm can also be applied using traditional PG11 or 5/8 connectors. (Please see the column about "using PG11 connectors")

The dielectric and outer conductor of the stripped cable must be placed as close as possible to the PCB ensuring the best possible return loss performance.

IP 66

Using the COMEGA® Rubber Cap RC will increase the IP to 66 utilizing the ConFree cable shell system. The rubber cap fits all cables within the dimension of 6-17mm. Mounted on every port it improves protection against steam, dust and other environmental influences.

Using PG11 connectors

Using traditional PG11 connectors or adaptors requires insertion of the ConFree PG11A. Mount the PG11A before inserting the PG11 connector or adaptor, which will maintain the overall good return loss. Mounted, the PG11A tube must cover the inner pin of the PG11 connector or adaptor.

Having existing cables with traditional connectors, you can utilize our high performance adaptors specially develop for the COMEGA® ConFree platform. The design ensures the maintenance of good return loss.